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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/660,222	09/10/2003	Gelu Voicu	CAT-12502-1	7704	
22888	7590 09/21/2004	•	EXAMINER		
	FMAN & HARMS,	LAUTURE, JOSEPH J			
TRI-VALLEY OFFICE 1432 CONCANNON BLVD., BLDG. G			ART UNIT	PAPER NUMBER	
LIVERMORE			2819		

DATE MAILED: 09/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary		Application No.	Applicant	(s)			
		10/660,222	VOICU ET	VOICU ET AL.			
		Examiner	Art Unit		}		
		Joseph Lauture	2819	P	W)		
Period for	- The MAILING DATE of this communication ap Reply	pears on the cover sl	eet with the correspond	ence address			
THE M - Extens after S - If the p - If NO - Failure Any re	PRTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. sions of time may be available under the provisions of 37 CFR 1. 81X (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a rep- period for reply is specified above, the maximum statutory period to reply within the set or extended period for reply will, by statutionally ply received by the Office later than three months after the mailing diplatent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however oly within the statutory minimu will apply and will expire SIX te, cause the application to be	may a reply be timely filed m of thirty (30) days will be consid (6) MONTHS from the mailing dat come ABANDONED (35 U.S.C. §	e of this communication. 133).			
Status							
1)🛛	Responsive to communication(s) filed on 10 S	September 2003.					
2a) <u></u> □							
,—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
	on of Claims	pu _uuy,					
4)⊠ (5)⊠ (6)⊠ (7)⊠ (Claim(s) 37-113 is/are pending in the applicate (a) Of the above claim(s) is/are withdray Claim(s) 69-77 and 86 is/are allowed. Claim(s) 37,78 and 87 is/are rejected. Claim(s) 38-68,79-85 and 88-113 is/are objected. Claim(s) are subject to restriction and/or	awn from considerations					
Application	on Papers						
10)⊠ T	The specification is objected to by the Examin The drawing(s) filed on 10 September 2003 is. Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the E	/are: a)⊠ accepted e drawing(s) be held in ction is required if the d	abeyance. See 37 CFR 1. rawing(s) is objected to. Se	85(a). ee 37 CFR 1.121(d).			
Priority u	nder 35 U.S.C. § 119						
12)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document Copies of the priority document Copies of the certified copies of the priority document Copies of the certified copies of the priority document Copies of the priority d	its have been receive its have been receive prity documents have au (PCT Rule 17.2(a)	ed. ed in Application No been received in this N).				
2) 🔲 Notice 3) 🔯 Inform	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 No(s)/Mail Date 11304.	Pa _l 5)	erview Summary (PTO-413) per No(s)/Mail Date tice of Informal Patent Applica er:	tion (PTO-152)			

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Specification

The application has not been checked to the extent necessary to determine the presence of all possible typographical and grammatical errors. Applicant's cooperation is requested in correcting any errors of which he/she may become aware in the application.

The Information Disclosure Statements filed 01/13/2004 have been considered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 37 and 87 are rejected under 35 U.S.C 102 (b) as being anticipated by Dori et al (US 6,555,996).

Dori et al teach in figure (1) an n-bit digital potentiometer including 2^N wiper addresses, the potentiometer comprising:

a first reference terminal (VH), an opposite second reference terminal (VL) and a wiper terminal (13);

a first string (62) of approximately same impedance elemental impedance devices (Rs), said string having opposed first and second end terminals;

a plurality of wiper switches (abstract lines 27,28), each coupled between the wiper terminal (13) and the first string (62);

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first and second bulk impedance devices (20) and (40), having about the same impedance value grater than an impedance of a resistor in the first string, and wherein the first string (62), the first bulk impedance device (20) and the second bulk impedance device (40) are between the first and second reference terminals (VH) and (VL);

a first switching device (Top) operable for selectively bypassing the first bulk impedance device (20);

and, a second switching device (Bottom) operable for selectively bypassing the second bulk impedance device (40).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 78 is rejected under 35 U.S.C. 103(a) as being unpatentable over Dori et al (US 6.555.996) in view of Stanescu et al (US 2004/0108844 A1).

Regarding this claim, Dori et al teach the essential features of the claimed invention as set forth above except for a switch permanently connected to an impedance device. However, Stanescu et al teach a digital potentiometer wherein the wiper terminal is always connected to a tap point of an impedance string. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Dori et al and Stanescu et al to achieve better system

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performance and reliability because this would reduce errors in the system (See paragraph [0005] of page 1).

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Allowable Subject Matter

Claims 38-68, 79-85 and 88-113 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 69-77 and 86 are allowable.

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CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph Lauture, whose telephone number is (571) 272-1805. The examiner can normally be reached Monday thru Friday between 9:30 am and 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Tokar can be reached at (571) 272-1812. The fax number for the organization to which this application is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (571) 272-1562.

Joseph Lauture Group: 2819

Date: 09/09/2004